



Joseph Brooke & Sons

"SILEX" REGD STONE

HALIFAX, LONDON, MANCHESTER.

To

With

Joseph Brooke & Sons

Compliments.

Joseph Brooke & Sons

Head Offices HIPPERHOLME, HALIFAX.

Telephone No. 10, Lightcliffe.

Telegrams: "Brookes, Halifax."



Head Offices

LONDON

Offices—16, Great George Street, Westminster

Telephones Nos. 222 & 223, Westminster Telegrams: "Pitchstone, London"

Depot—22, Somers Town Station (M. Rly.),
Euston Road, N.W.

Telephone No. 749, North

MANCHESTER

8, Exchange Street.

Telephone No. 580, Central.

Telegrams: "Nimble, Manchester"



THE
“SILEX”
 STONE.

For Steps, Landings, Pavings, &c.

ITS VIRTUES.

CRUSHING STRAIN :	}	ABSORPTION :
17,106 lbs. per cubic inch.		1'02 per cent.
2,200 tons per cubic foot.		

CHEMICAL ANALYSIS :

Silica	-	-	-	-	-	97'83
Alumina, or Oxide of Iron	-	-	-	-	-	1'17
Lime	-	-	-	-	-	1'00
						<u>100'00</u>

DURABLE. NON-SLIPPERY. RELIABLE.
 PERFECT FOOTWAY PAVING.

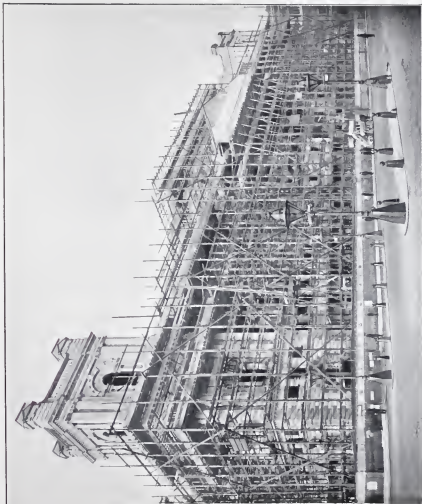
Unrivalled for Steps and Landings.

QUALITY GUARANTEED.

THE HIGHEST FORM OF STONE KNOWN.

NEW PUBLIC OFFICES FOR LOCAL GOVERNMENT BOARD, ETC., IN COURSE OF CONSTRUCTION.

THE "SILEX" STONE.



"SILEX" STEPS, LANDINGS, ETC. SUPPLIED THROUGHOUT.

FROM THE DESIGNS OF THE LATE W.M. BRIDON, ESQ.

Architect for Erection SIR HENRY TANNER

Contractors MESSRS. ROYAL & CO., WESTMINSTER.

TO ARCHITECTS,
SURVEYORS and
ENGINEERS.

To meet the many complaints of professional gentlemen that the usual specification of "Hard York Stone" does not adequately describe the particular quality of stone they desire to obtain, there being so many varieties of York stone included under the heading "hard," none of which came up to the standard of hardness and durability so essential in staircases and paving, we adopted the name "Silex" many years ago, as a distinguishing term, by specifying which architects and surveyors might know they were obtaining the very best stone for their purpose.

The "Silex" Stone is a durable, reliable, non-slippery stone, especially suitable for Steps, Landings and Pavings, and of such a nature as to be susceptible of a very fine finish, and, when fixed, of a handsome appearance, qualities always sought for but never obtained in any "Hard York" except the "Silex" Stone.

The "Silex" Stone is obtained from the very lowest beds of stone at Pearson Brow, Hipperholme, near Halifax. The seams lie about 80 feet below the surface, and belong to a lower formation than the ordinary strata of Hard York stone. This is proved by their extraordinary solidity, an idea of which may be gained by the fact that a test at Kirkcaldys of samples taken from the "Silex"

THE "SILEX" STONE

seam gives the crushing strain at 17,106 lbs. per square inch, or 2,200 tons per cubic foot, and absorption as 1.02 per cent.

To reduce to a minimum cost the working of such a material, and to enable us to put it on the market at a reasonable price, we have availed ourselves of the most recent inventions in stone working machinery in all the various operations of quarrying, hoisting, polishing, etc., so far as machinery is adapted or capable of yielding the best results.

To those unfamiliar with quarrying operations the following particulars of working will be of interest:

There are two methods of working the seams—open cutting and mining—the first being most generally adopted. The whole superincumbent mass of loam, shale and stone is removed, until the "Silex" seam of stone is laid bare—80 to 90 feet below the surface.

In mining, a shaft is sunk to the required depth, and headings being driven from thence in different directions, the stone is brought on trolleys to the bottom of the shaft and hoisted to the surface.

The much admired polish on "Silex" Stone is due to the great density and extraordinary hardness of the stone, and is obtained by rubbing by means of Polishing

THE "SILEX" STONE.

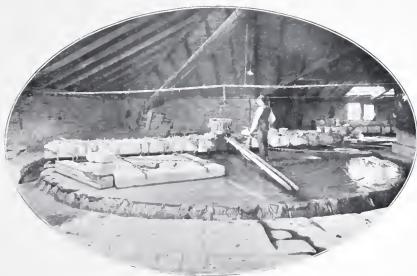
Mills, each about 30 feet in diameter. A number of stones to surface are laid face upward on the bed, and upon these other stones are laid face downward, and the latter being secured to a revolving arm, the revolutions are continued with an abundant supply of grit and water until the desired result is obtained. A number of these mills are in operation, sufficient to ensure the largest orders being promptly executed, and we are in a position to supply expeditiously any quantity of worked stone.

On the following pages we show illustrations of a few of the important Government and Public Buildings erected recently, in which "Silex" Stone has been adopted for the staircases, &c., throughout. After tests extending over many years, it has been conclusively proved that "Silex" Stone has no equal as regards durability, wearing properties, beautiful appearance, and the absolute non-slippery surface it always presents. From practical experience it has been demonstrated that "Silex" Steps and Landings used in Public Offices, Post Offices, &c., where the traffic is of the heaviest nature, shew less than $\frac{1}{16}$ th of an inch wear in 12 years' time. Facts such as this will appeal directly to all Architects who are desirous of obtaining the very best work, and who are anxious to prevent the unsightly defects of steps worn hollow and patched or veneered to present a level tread.



THE "SILEX" STONE.

Photograph of one of the Polishing Mills in work. Several of these Mills are continuously turning out Polished Steps, Landings, Flags, &c.



The stones to be polished are laid face upward on the bed of the mill; on these, with the faces down, are laid other stones which are attached to cross-beams by means of chains. These are set in revolution and continue to revolve until the required polish is obtained by means of a supply of grit and water.





NEW WAR OFFICE, WHITEHALL, LONDON, S.W.

THE "SILEX" STONE.



"SILEX" STEPS, LANDINGS, ETC., SUPPLIED THROUGHOUT.

FROM THE DESIGNS OF THE LATE WM. YOUNG, ESQ.

Architects for execution, GEORGE YOUNG, ESQ.
AND JOHN TAYLOR.

Contractors: MILES, FOSTER & THACKER, ROGERS AND JOHNSON.



THE "SILEX" STONE.

List of Buildings in which "Silex" Stone has been used—
continued.

LONDON :

ROMAN CATHOLIC SCHOOLS, RYLETT ROAD, SHEPHERD'S BUSH
 PUBLIC HALL, GREENWICH
 POPLAR HOSPITAL.
 POPLAR UNION.
 ST. FRIDEWIDE'S MISSION HOUSE, POPLAR
 ST. MARY LE STRAND PARISH HALL, DRURY LANE
 NOTRE DAME CONVENT, BATTERSEA.
 POPLAR FREE LIBRARY.
 ROMAN CATHOLIC SCHOOLS, STRATHAM.
 NATIONAL DENTAL HOSPITAL.
 BOARD SCHOOL, GAYHURST ROAD
 " HUGH MYDDLETON
 " CLEVELAND ROAD, ILFORD.
 NEW CHURCH, CHEYNE ROW, CHELSEA.
 UNDERGROUND CONVENIENCES, MARBLE ARCH,
 " CHARING CROSS.
 " EAST HILL, WANDSWORTH.
 " FALCON LANE, BATTERSEA.
 " LOUDON ROAD STATION.
 " TOTTENHAM COURT ROAD.
 " FINCHLEY ROAD.
 " KENSINGTON CROSS.
 " ST. GEORGE'S CIRCUS.
 " NEWINGTON BUTTS.
 " BENFIELD ROAD, LAMBETH.
 " ARTICHOKE PLACE, CAMBERWELL.
 " OLD KENT ROAD, S.E.
 " SUTTON ST., COMMERCIAL RD., E.
 NURSES' HOME, LANGHAM STREET, W.
 WAREHOUSE, MANCHESTER SQUARE.
 " LOMBARD STREET.
 NEW BISCUIT WORKS, WILLESDEN.
 RAILWAY CLEARING HOUSE, EUSTON.
 NEW BUILDINGS, NOS. 5, 6 AND 7, SOUTHAMPTON STREET,
 STRAND.
 HAMMERSMITH NEW BATHS AND WASH-HOUSES.
 ETC., ETC., ETC.

THE "SILEX" STONE.

ROYAL COLLEGE OF SCIENCE, SOUTH KENSINGTON.



VICTORIA AND ASTOR WOOD

CONTRACTORS, MESSRS. LASELL & CO. LTD.

"SILEX" STEPS, LANDINGS, ETC., THROUGHOUT.

THE "SILEX" STONE.

UNIVERSITY OFFICES,
ST. JAMES' PARK, S.W.



UNIVERSITY OFFICES, ST. JAMES' PARK, S.W.

UNIVERSITY OFFICES, ST. JAMES' PARK, S.W.

"SILEX" STEPS, LANDINGS ETC. SUPPLIED THROUGHOUT



THE "SILEX" STONE.

List of Buildings in which "Silex" Stone has been used

COUNTRY

ALDERSHOTT	NEW POST OFFICE
BATHS	TECHNICAL SCHOOLS
GLAUCKBORN	TURNISH BATHS
"	TECHNICAL SCHOOLS
"	NORTHERN DAILY TELEGRAPH OFFICE
BIRMINGHAM	NEW G. P. O.
BOLTON	TURNISH BATHS
BURLEY IN WHARFEDALE	SCALDHOE PARK, BEDFORD
BURNLEY	MECHANICAL ENGINEERS
"	WORKHOUSE, ENDSHAW
"	PAUL HOTEL
BRADFORD	ESLAND REFINERY & STORAGE
BROTH	POST OFFICE
BLACKBURN	QUEEN'S & DOLGA SCHOOLS
BRIGHTON	FINNIS HOUSES
COWEN TAY	MIC. GARDNER & BROTHERS
COLCHESTER	NEW POST OFFICE
CARDIFF	NEW A. FORDS HOUSE
CARLTON CARMIET	CHURCH
CARLISLE	PAUL CHURCH - OLD BUILDING
DEWSBURY	PAUL CHURCH
"	TECHNICAL SCHOOLS
"	TECHNICAL SCHOOLS
"	UNION INFIRMARY
"	PUBLIC HOUSE
"	WHITBRIGHTS TECHNICAL SCHOOLS
"	GUARDIAN OFFICES
"	CO-OPERATIVE HOUSES, MALKROTH
"	LANE
DERBY	STATION ROAD POST OFFICE
"	FREE LIBRARY
DOVER	NEW POST OFFICE
DOUGLAS, ILL.	NEW POST OFFICE
GATESHEAD	NEW POST OFFICE
HALLAM	MARKET ARCADES
"	LANCASHIRE & YORKSHIRE FAIR

THE "SILEX" STONE

LIVERPOOL GENERAL POST OFFICE

GENERAL VIEW



MAIN ENTRANCE

"SILEX" STEPS, LANDINGS, ETC., THROUGHOUT

THE "SILEX" STONE

List of Buildings in which "Silex" Stone has been used

COUNTRY	
ALGERIA	Algeria, Algeria
ARGENTINA	Argentina, Argentina
AUSTRIA	Austria, Austria
BELGIUM	Belgium, Belgium
BRAZIL	Brazil, Brazil
CHINA	China, China
FRANCE	France, France
GERMANY	Germany, Germany
INDIA	India, India
ITALY	Italy, Italy
JAPAN	Japan, Japan
MEXICO	Mexico, Mexico
NETHERLANDS	Netherlands, Netherlands
PORTUGAL	Portugal, Portugal
RUSSIA	Russia, Russia
SPAIN	Spain, Spain
SWEDEN	Sweden, Sweden
SWITZERLAND	Switzerland, Switzerland
UNITED STATES	United States, United States
YUGOSLAVIA	Yugoslavia, Yugoslavia

THE "SILEX" STONE



QUEEN VICTORIA MEMORIAL, BLACKBURN



SOLDIERS' MEMORIAL, WARRINGTON

"SILEX" STONE STEPS, FLAGS, ETC

THE "SILEX" STONE.

List of Buildings in which "Silex" Stone has been used

(continued)

COUNTRY

NEWMARKET	NEW G. P. O.
OXFORD	THE FIVE ARCADES
"	INLAND REVENUE OFFICES AND COUNTY COURT.
"	WATERLOO BOARD SCHOOLS (No. 2).
"	BEEVER STREET BOARD SCHOOLS.
"	CHAPEL ROAD STORE.
"	CROMPTON LOCAL BOARD OFFICES.
OXFORD-EMM	CHURCH
PRESTON	ST. WILFRED'S R.C. CHURCH
"	ST. AUGUSTINE'S CHURCH
"	GENERAL POST OFFICE.
"	COUNTY COURT OFFICES
PETERBOROUGH	POST OFFICE.
REDFORD	BOOKING HALL.
ROCHDALE	STANDARD SPINNING CO.'S ENGINE HOUSE.
RUGBY	UNION WORKHOUSE NEW INFIRMARY.
RIPLEY	C.W.S. STORES.
SHAW	CROMPTON HALL
SHEFFIELD	POST OFFICE.
SOUTHAMPTON	POST OFFICE.
ST. ANNE'S-ON-SEA	RESIDENTIAL VILLAS, SOUTH PROMENADE
STAMFORD	POST OFFICE.
SOUTHEND-ON-SEA	POST OFFICE.
SUNDERLAND	GENERAL POST OFFICE.
SWANSEA	GENERAL POST OFFICE.
TODMORDEN	FIELDEN'S MONUMENT.
WARRINGTON	COUNTY COURT.
WHITBY	NEW POST OFFICE.
WEST HARTLEPOOL	NEW POST OFFICE.
WIGAN	COUNTY COURT AND INLAND REVENUE OFFICES.
WIDSON	TELEGRAPH STORES.
WOKING	POST OFFICE.
WHALLEY	PARISH CHURCH
WIDNES	ALKALI WORKS.

THE "SILEX" STONE.



IMPERIAL INSTITUTE, LONDON, W.

"SILEX" PAVING.



NATIONAL GALLERY.

"SILEX" PAVEMENT.

FOR PAVING, ETC.

THE “SILEX” STONE.

“Silex” Stone has been used for paving purposes in all the principal towns in the country ; amongst many others, the following streets or districts are a few where it is in use.

LONDON .

LONDON COUNTY COUNCIL.—Strand to Holborn Improvement

” ” Kingsway and Aldwych.

LAMBETH.—ALL principal thoroughfares.

LONDON COUNTY COUNCIL.—Blackwall Lane to Woolwich.

ISLE OF DOGS.—The Swing Bridge.

” City Arms Bridge.

” Manchester Road Bridge.

WESTMINSTER.—Roman Catholic Cathedral.

” In Whitehall and other streets.

WANDSWORTH.—Many of the principal thoroughfares.

HAMPSTEAD.—Council Works.

LONDON COUNTY COUNCIL.—Blackwall Tunnel.

POPLAR.—Council Improvements,

Etc., etc.

Also by the Railway Companies and by many Corporations, Town Councils, etc., in all parts of the country.

THE "SILEX" STONE.



THE TOWER,
BLACKPOOL.



"SILEX" STONE PAVEMENTS.

THE "SILEX" STONE.

NEW CUT,
LAMBETH,
S.E.



"SILEX"
PAVING,
LAID IN
1889.

LOWER
MARSH,
LAMBETH,
S.E.



"SILEX"
PAVING,
LAID IN 1889.



KENNINGTON PARK ROAD, KENNINGTON, S.E.

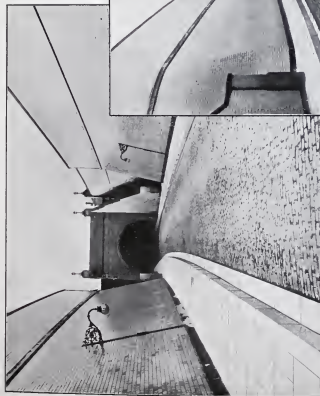
"SILEX" PAVEMENT.

THE "SILEX" STONE.

HARLEYFORD ROAD. LAMBETH, S.E.



"SILEX" PAVEMENT.



THE "SILEX" STONE.

APPROACH TO BLACKWALL TUNNEL.

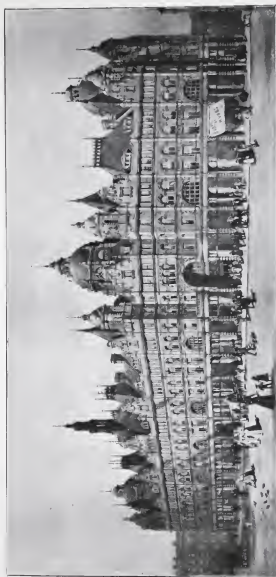


LONDON COUNTY COUNCIL.

"SILEX" PAVING STONE.

THE "SILEX" STONE.

NEW MARKETS, LEEDS.



Contractor: J. T. Wainwright, Esq.

Architects: Messrs. Lumsden & Lumsden.

"SILEX" Steps, Landings, &c., supplied throughout.

THE UNIVERSITY OF CHICAGO
PRESS
CHICAGO, ILLINOIS
1960

